IN THE UNITED STATES PATENT AND TRADEMARK OFFICE REVOCATION AND APPOINTMENT OF POWER OF ATTORNEY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

The undersigned Educational Testing Service, who is the assignee of the entire right, title, and interest of all patent applications identified in schedule A attached hereto, having its principal place of business at 666 Rosedale Road, Princeton, New Jersey 08541, hereby revokes any and all Powers of Attorney heretofore granted in connection with the patent applications identified in Schedule A attached hereto, and appoints Joseph Melnik (48,741), Jamison Lynch (41,168), Victoria Friedman (58,853), Joseph Mahoney (38,956), Lawrence Pope (26,791), Vera Nackovic (59,388), Clifford Maier (59,526), Michael Molano (39,777), Deborah Schavey Ruff (33,770), and William Healey (36, 160), all of the firm Mayer, Brown, Row, and Maw LLP, and all of the other attorneys associated with customer no. 26565, located at 71 S. Wacker Drive, Chicago, Illinois 60616, as its attorneys, with full power of substitution and revocation, to prosecute each matter, to transact all business in the Patent and Trademark Office in connection therewith, to receive all documents from the Patent and Trademark Office.

Pursuant to 37 C.F.R. 3.73(b), the undersigned establishes that Educational Testing Service is the assignee for the patent applications identified in Schedule A, as evidenced by the assignment records of the Office located at the corresponding reel/frame numbers in Schedule A. Evidence of any unrecorded assignments are also concurrently being submitted in another document for recordation pursuant to § 3.11.

Further, the undersigned, who is authorized to sign and execute documents for Educational Testing Service, requests that all correspondence from the Patent and Trademark Office concerning these issued patents and patent applications be addressed to the address associated with customer number 26565.

Name: Sheree Johnson-Gregory

Title: Associate General Counsel

Date: 9 - 04 - 2007

SCHEDULE A

TITLE	APPLICATION. NO.	PUBLICATION/ PATENT NUMBER	REEL/ FRAME
Method and System For Calibrating Evidence Models	11/170649	2006-0003303	016717/0325
Method For Estimating Examinee Attribute Parameters in Cognitive	10/924069	2006-0040247	015831/0907
Diagnosis Models	11/100264	2005 0222500	015005/0000
Method For Estimating Examinee Attribute Parameters in a Cognitive Diagnosis Model	11/100364	2005-0222799	015927/0929
A Tree-Based Approach to Proficiency Scaling and Diagnostic Assessment	09/629374	6,484,010	011121/0222
Apparatus and Method For Close-Elide Testing	06/587356	4,547,161	004274/0680
System and Method For Computer- Based Automatic Essay Scoring	09/120427	6,181,909	009736/0177
System and Method For Computer- Based Automatic Essay Scoring	09/693210	6,366,759	012144/0265
System & Method For Computer Based Test Creation	08/826417	6,259,890	011743/0296
System & Method For Computer Based Test Creation	09/777836	6,442,370	012204/0010
Test Discrimination And Test Construction For Cognitive Diagnosis	11/202764	2006-0035207	016693/0286
Computerized System For Scoring Constructed Responses And Methods For Training, Monitoring, And Evaluating Human Rater's Scoring Of Constructed Responses	09/045621	5,991,595	009244/0542
Method And System For Receiving Responses Utilizing Digital Pen And Paper	10/847268	2004-0259067	015085/0278
Image Digitizer W/Page Number Detector & Recorder	08/789700	5,869,789	009462/0719
Optical Document Scanning And Mark Sensing	07/385382	5,004,896	005138/0558
Methods And Systems For Presentation And Evaluation Of Constructed Responses Assessed By Human Evaluators	09/916810	6,526,258	012094/0471
Centralized System And Method For Administering Computer Based Tests	08/415757	5,513,994	007673/0253
System And Method For Computer	09/020755	6,000,945	009776/0353

Based Test Assembly			
System And Method For Computer	10/123819	2002-0182579	013605/0228
Based Creation Of Tests Formatted To	- 3. 1 - 2 3 1 2		310000/0220
Facilitate Computer Based Testing			
System And Method For Computer	10/856908	2005-0250087	015405/0311
Based Creation Of Tests Formatted To	10,000	2000 02000,	010 100/0011
Facilitate Computer Based Testing			
Method And System For Controlling	08/629365	5,841,655	007946/0287
Item Exposure In Computer Based	00,0200	7,011,033	00191010201
Testing		•	
Machine-Interpretable Figural	07/382716	5,011,413	005161/0213
Response Testing	077502710	3,011,113	00310170213
Machine-Interpretable Figural	07/691396	5,211,564	005719/0046
Response Testing	077091390	3,211,301	00371370010
A Tree-Based Approach To Proficiency	09/215685	6,144,838	010858/0585
Scaling And Diagnostic Assessment		-,,	31000010000
Consolidated Online Assessment	10/098636	2003-0175677	013025/0470
System			013023/01/0
System And Method For Interactive	08/828247	6,115,683	009121/0074
Scoring Of Standardized Test	00/02021/	0,113,003	00012170071
Responses			
System And Method For Interactive	08/870182	6,120,299	009092/0505
Scoring Of Standardized Test		0,10,	00909270303
Responses			
System And Method For Interactive	09/489210	6,234,806	010607/0735
Scoring Of Standardized Test	037 103210	0,23 1,000	01000770733
Responses			
System And Method For Computer	08/082058	5,565,316	006650/0126
Based Testing	00,000	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	000000000000000000000000000000000000000
System And Method For Computer	08/485628	5,827,070	009044/0882
Based Testing		7,027,070	30301170002
Method And System For Generating	10/951068	2005-0255439	015852/0132
And Processing An Assessment			
Examination			
System And Method For Automated	09/290900	6,254,395	009992/0527
Testing Of Writing Skill		,,	
Methods For Automated Essay	10/948417	2005-0042592	15830/0918
Analysis			
Consolidated Online Assessment	10/948985	7,162,198	015830/0430
System		,,	
A New Lexical Association Metric For	11/100362	2005-0222837	016222/0336
Knowledge-Free Extraction Of Phrasal			
Terms			
Method And System For Text Retrieval	11/328962	2006-0155528	017446/0472
For Computer-Assisted Item Creation			
Method And System For Assessing	11/328651	2006-0155538	017461/0007
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Pronunciation Difficulties Of Non-			
Native Speakers			
Method And System For Detecting Off-	11/347060	2006-0172276	017579/0383
Topic Essays Without Topic-Specific			
Training			
Model Scaling For An Automated	11/364165	2006-0194183	017632/0474
Essay Scoring System			
Method And System For Automated	11/358795	2006-0190242	017609/0839
Item Development For Language			
Learners			
Designing Adaptive, Diagnostic Math	11/359232	2006-0286533	018060/0024
Assessments For Sighted And Visually			
Impaired Students			
Automated Essay Scoring	11/460413	2006-0286540	018295/0377
Online Essay Evaluation System	09/045622	5,987,302	009248/0197
Consolidated Online Assessment	11/617782	2007-0105084	018698/0261
System	•		
System and Method For Computer	10/967642	2005-0153269	015826/0292
Based Creation of Tests Formatted to			
Facilitate Computer Based Testing			
Methods and Systems For Presentation	09/381545	6,295,439	010569/0264
and Evaluation of Constructed		, -,,	
Responses Assessed By Human			
Evaluators			
Image Processing System	07/287483	5,001,769	005007/0468
Method And System For The	10/945150	2006-0074655	015775/0692
Automatic Generation Of Speech	10/5 10100	2000 007 1022	
Features For Scoring High Entropy			
Speech			
Establishing Text Coherence Using	10/974133	2005-0143971	015753/0150
Discourse Chunking And Sentence	10/5/1133	2005 01 13571	01373370130
Similarity			
Computer-Based Simulation	08/811890	6,056,556	010373/0893
Examination of Architectural Practice	00/011070	0,030,330	0103/3/00/3
Automated Test Item Generation	10/822426	2004-0253569	015166/0142
System & Method	10/022 120	2001 023330)	013100/01-12
Computer-Based Method & System For	09/345825	6,658,412	010326/0556
Linking Records in Data Files	02/3/13023	0,030,412	010320/0330
Portal Assessment Design System For	10/677186	2004-0076930	014676/0319
Educational Testing	10/0//100	2007-00/0930	0170/0/0313
Systems And Methods For Testing	10/712938	2004-0221013	014706/0764
Over A Distributed Network	10//14730	2007-0221013	014/00/0/04
Method And System For Computer-	10/731776	2005-0125196	015142/0076
Assisted Test Construction Performing	10//31//0	2003-0123190	015143/0076
Specification Matching During Test			
Item Selection			
Hem Selection	<u></u>		

Systems And Methods For Computer- Based Testing Using Network-Based	09/901797	2002-0028430	012190/0786
Synchronization Of Information			
Automated Essay Scoring System	10/974530	2005-0142529	015761/0294
Accessibility Of Tests Within A	11/054019	7,217,134	015858/0172
Validity Framework			
Interactive Group Communication	07/694650	5,263,869	013852/0499
System			
Method And System For Online	09/760267	6,898,411	013495/0747
Teaching Using Web Pages			
Automated Essay Scoring	10/319623	7,088,949	014112/0206
Methods For Automated Essay	10/176534	7,127,208	015774/0955
Analysis			
Methods For Conducting Server-Side	10/626103	2004-0181668	015842/0043
Encryption/Decryption-On-Demand	:		
Systems And Methods For Computer-	10/611724	2004-0106088	014807/0852
Based Testing Using Network-Based			
Synchronization Of Information			
Method And System For Computer-	11/299363	7,165,012	017320/0412
Assisted Test Construction Performing			
Specification Matching During Test			
Item Selection			
Optical Scanner Threshold Setting	07/616134	5,194,966	005516/0587
Method And Sheet			
System And Method For Picture Image	08/230882	5,434,931	007271/0101
Processing Employing Transformation			
Of Picture Data			
Method And System For Evaluating	11/379488	2006-0240390	017503/0133
Vocabulary			
Method And System For Interactive	07/807008	5,259,766	006163/0409
Computer Science Testing, Analysis			
And Feedback	10/050200	(= 0 < 0 0 0	
Methods For Automated Essay	10/052380	6,796,800	012689/0879
Analysis	00/110100		101000000000000000000000000000000000000
Remote Teaching System	08/112103	5,437,555	013852/0495
Method And Apparatus For Online	09/250687	6,302,698	013852/0497
Teaching And Learning	00/020120	6.022.060	0.1.0.1.0.1.0.0
Latent Property Diagnosing Procedure	09/838129	6,832,069	013518/0193
Free Response Test Grading Method	07/362262	4,978,305	005087/0848
Computerized Method And System For	08/190349	5,893,717	007066/0703
Teaching Prose, Document And			
Quantitative Literacy	10/244072	2004.005222	012500/0500
System And Method For Evaluating	10/244072	2004-0053203	013588/0789
Applicants	10/105440	2002.02002=	010045/0040
System For Rating Constructed	10/125440	2003-0200077	012845/0849
Responses Based On Concepts And A	<u> </u>		

Model Answer			
Method And System For Receiving	10/830670	2005-0240455	015261/0728
And Analyzing An Electronic Personal			
Statement			
Automated Annotation	11/465896	2007-0077542	018151/0035
Remote Computer Capabilities	09/781248	7,092,987	012253/0752
Querying and Certification			
Latent Property Diagnosing Procedure	10/970795	2005-0123893	013518/0193
Method and System For Online	11/102994	2005-0233296	013495/0747
Teaching Using Web Pages			
Computerized Mastery Testing System,	07/428383	5,059,127	005728/0184
a Computer Administered Variable			
Length Sequential Testing System For			
Making Pass/Fail Decisions			
Method & Apparatus For	08/249662	5,657,256	6139/ 0785-
Administration of Computerized			0787
Adaptive Tests			
Equation Editor	10/775301	2004-0157203	<u>014984/0101</u>
Cooccurrence and Constructions	10/915881	2005-0049867	<u>015407/0877</u>
System and Method For Parallel	10/627381	2005-0021859	014346/0896
Conversion, Compilation, and			
Distribution of Content			
Method and System For Performing	10/760850	2005-0157930	019693/0208
Image Mark Recognition			
Automated Evaluation of Overly	10/713863	2004-0194036	014711/0653
Repetitive Word Use In an Essay			
Portal Assessment Design System For	10/913777	2005-0170325	015718/0898
Educational Testing			
Method & System For the Automatic	11/678508		015775/0692
Generation of Speech Features For			
Scoring High Entropy Speech	··········		